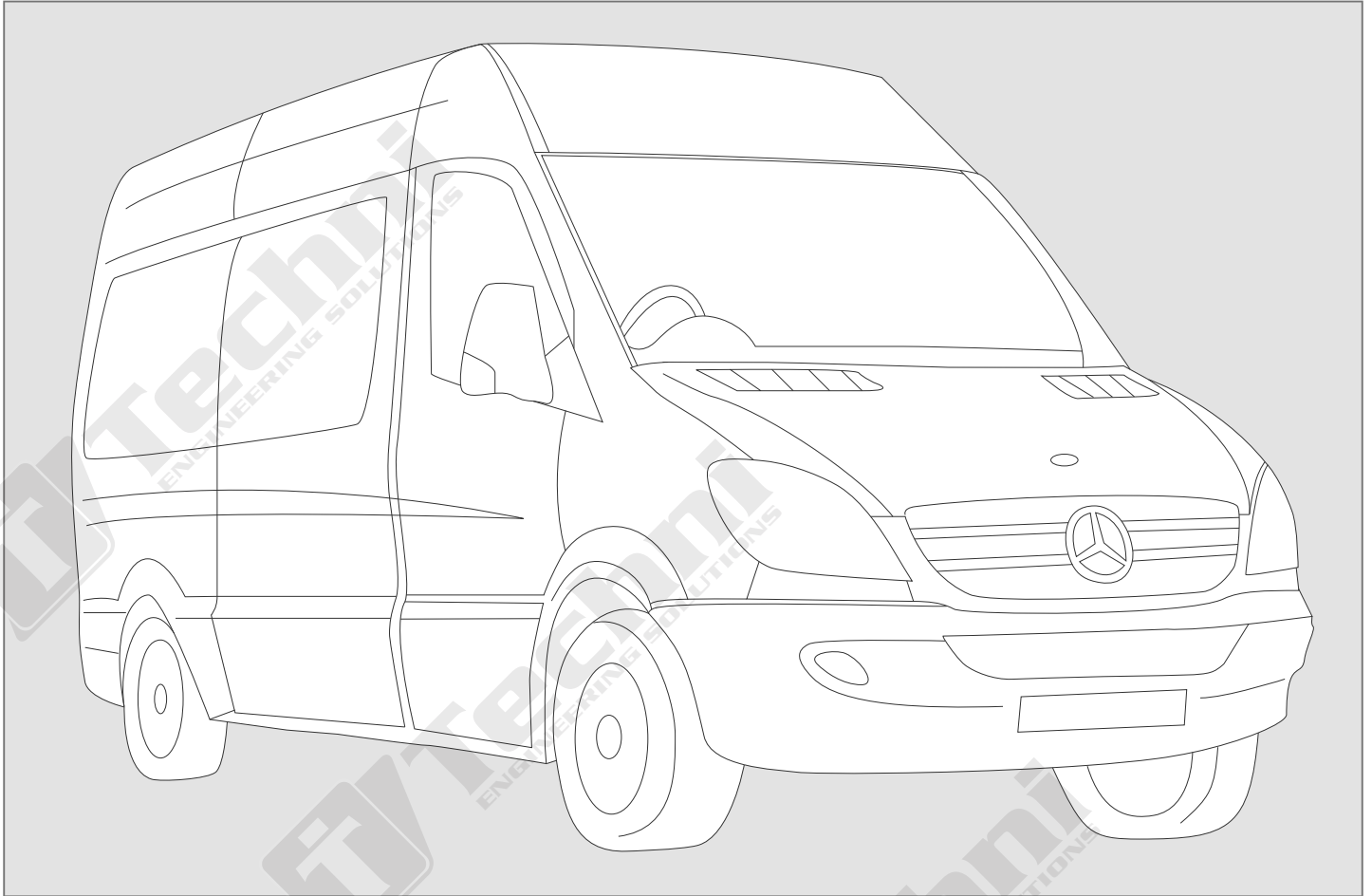


Einbauanleitung | Manuel d'instruction de montage | Manuale di istruzioni per l'installazione
Manual de instrucciones de instalación montaje

Fitting
Instruction
Fitting
Instruction
Manual

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VEHICLE DETAILS

Manufacturer	Mercedes Benz
Make	Sprinter
Model	209, 211, 213, 215, 309 311, 313, 315, 411, 415 509, 511, 515 CDI
Engine CC	2148cc 4cyl
Engine Details	OM646 DELA 65KW/88PS OM646 DELA80KW/109PS OM646 DELA 95KW/129PP OM646 110KW/150PS
Year	2006>
Chassis Nos.	N/A
LHD	YES
RHD	YES
PAS	YES
A/C	NO
Voltage	12v

KIT DETAILS

Kit Part No.	0500.3322
Description	Speed Reduction Kit
Compressor RPM	3074 @ Max Engine Power Output
Fitting Time	40 Minutes
Suction Fitting	90°
Discharge Fitting	90°
Belt Type	6PK
Belt Part No.	0820.1381

RECOMMENDED COMPRESSORS

SELTEC	TM-13 HS	TM15-HS	TM16-HS
Comp No	0381.0492	0381.0092	0831.0292
Seltec No.	48844320	48845121	48846134
Mounting	Ear	Ear	Ear
Rotor	1A	1A	1A
Armature	SL	3E	3E
Diameter	123	123	123
Voltage	12	12	12
Orientation	V	V	V
Fitting	3/4 x 7/8	3/4 x 7/8	3/4 x 7/8
Manifold	Bolt	Bolt	Bolt

SANDEN	SD5H09	SD5H14	SD5H15
Comp No	-	-	-
Sanden No.	-	-	-
Mounting	-	-	-
Rotor	-	-	-
Armature	-	-	-
Diameter	-	-	-
Voltage	-	-	-
Orientation	-	-	-
Fitting	-	-	-

Notes

COMPRESSOR KIT CONFIGURATIONS

PART NUMBER	COMPRESSOR KIT PART NOS				DESCRIPTION	QTY.
	0513.3322	0515.3322	0516.3322	0550.3322		
0410.0122				●	Clutch Assembly 1A SL 126 12V	1
0381.0492	●				TM13 Ear Mount 1A SL 126 12V V 3/4 x 7/8 Bolt	1
0381.0092		●			TM15 Ear Mount 1A SL 126 12V V 3/4 x 7/8 Bolt	1
0381.0292			●		TM16 Ear Mount 1A SL 126 12V V 3/4 x 7/8 Bolt	1

● = Additional parts to standard kits.

FOREWORD

- The purpose of this manual is to facilitate the installation of a direct drive compressor. The information given is merely instructive, should any complications arise contact the Technical department. The manufacturer's warranty does not cover any problems caused by defective installation or alterations made unless authorised. The manufacturer shall not be responsible for any injury, damage or loss caused directly or indirectly as a result of using this manual or the information contained within it.

1 SAFETY MEASURES:

Before fitting the Compressor adapter drive kit, ensure the following for damage:

- Inner and outer trim and body work
- Engine idle pace
- Check all the vehicle functions

Check list:

- Ensure that the right kit has been selected
- Before installing, check that all the correct pieces are present; also ensure that there are no missing or broken pieces
- When fitting, make sure the vehicle is properly protected against damage.

Installation apparatus

- Calibrated torque wrench
- Hand service tools
- Protective covers and shields

2 PRECAUTIONS

- Detach the battery negative lead.
- Torque all bolts where stated using a calibrated torque wrench.
- Take extreme care with moving parts.
- Remove the vehicle's ignition key and keep it with you.
- Wear eye safeguards and to make sure that liquid refrigerant never touches your skin





Caution: Measures must be followed accurately to steer clear of the possibility of damage to individuals

Warning: This calls awareness to actions which must be pursued to avoid damage to the components.

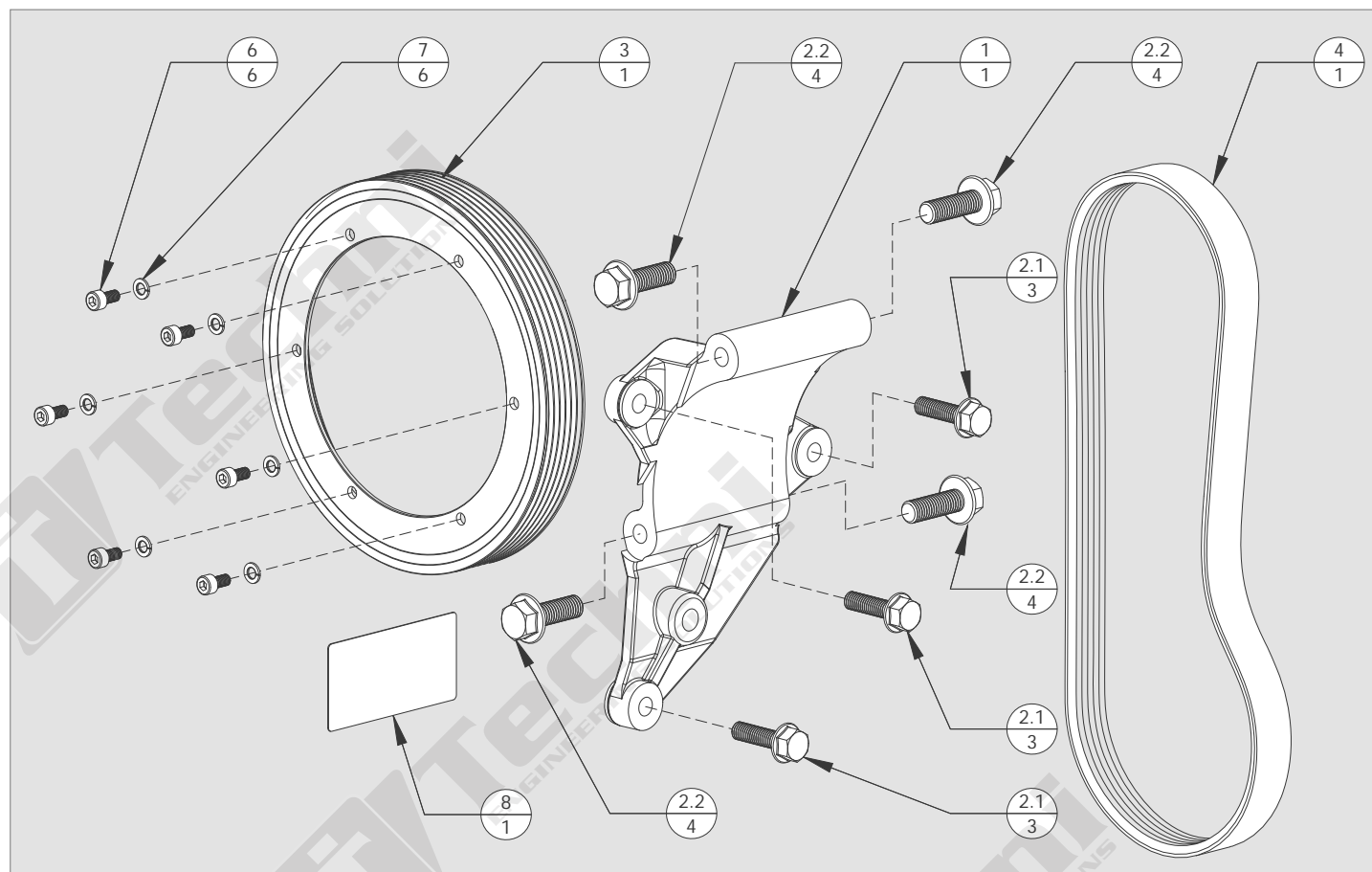
NB: This calls awareness to make the job easier or gives useful information.

STANDARD FASTENER TORQUE VALUES

- In the absence of specific torque values detailed in this fitting instruction manual, the following chart can be used as a guide to the maximum safe torque for specific size and grade of fastener.

STRENGTH								
	Max Torque		Max Torque		Max Torque		Max Torque	
Dia / Pitch	lb.ft	Nm	lb.ft	Nm	lb.ft	Nm	lb.ft	Nm
M5 x 0.80	2	3	4.5	6	6.5	9	7.5	10
M6 x 1.00	4	5.5	7.5	10	11	15	13	18
M8 x 1.25	10	13	18	25	26	35	33	45
M10 x 1.25	20	27	39	53	57	78	66	90
M10 x 1.50	18	25	37	50	55	73	63	86
M12 x 1.75	33	45	63	85	97	130	111	150
M14 x 2.00	55	75	103	140	151	205	177	240
M16 x 2.00	85	115	159	215	232	315	273	370

PARTS VIEW



ITEM	PART NO.	DESCRIPTION	QTY.	COMMENTS
1	0440.2203	Compressor Mount Bracket	1	-
2	0290.3322	Fastener Pack - 0500.3322	1	Not shown
2.1	2704.0091	Hexagon flange bolt Durlok - M8 x 30 : 1.25 - 12.9	3	-
2.2	2705.0491	Hexagon flange bolt Durlok - M10 x 30 : 1.50 - 12.9	4	-
3	0411.0083	Clutch Rotor PV6 178 Diameter - Seltec	1	-
4	0820.1381	Belt - Poly Groove 6PK 2345	1	-
8	2902.3322	Belt Label - 0500.3322	1	-
6	2716.0031	Hexagon socket head cap screw M5 x 10 - 0.80	6	Reference only
7	2805.0031	Spring washer M5 x 1 ID 5.1 OD 9.2	6	Reference only
9	2901.3322	Installation instructions - 0500.3322	1	Not shown

PRE-INSTALLATION

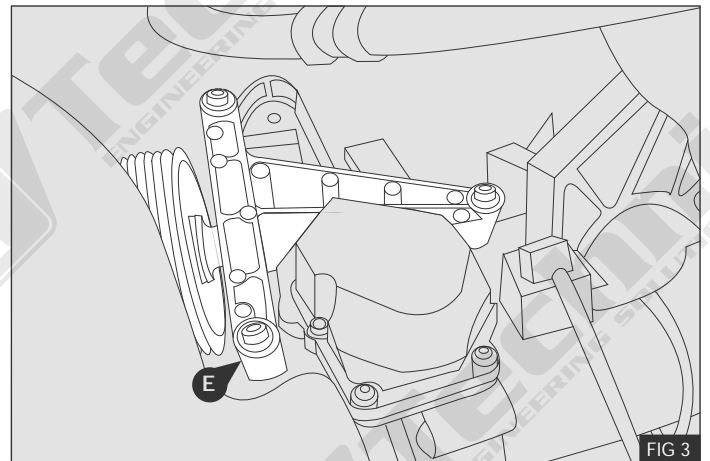
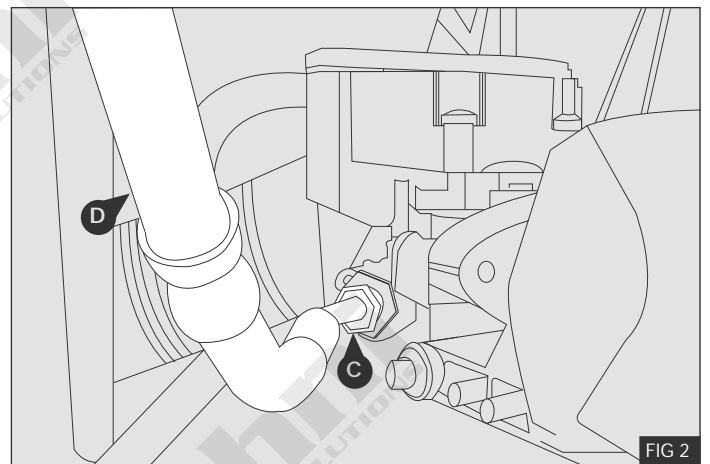
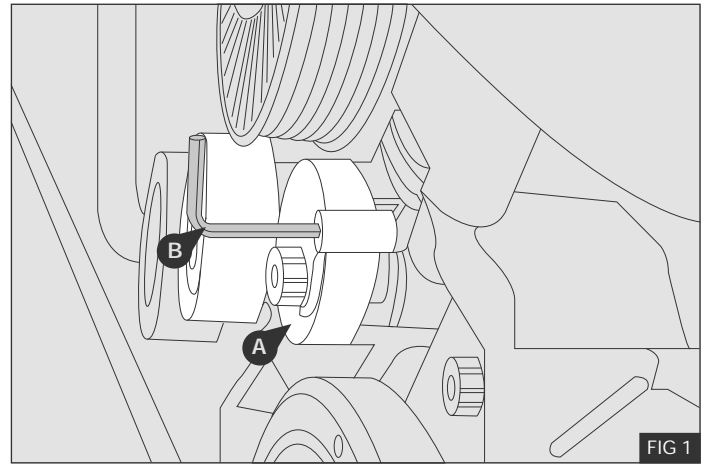
N.B Prior to commencing work, please examine the instructions with care. The alphabetical symbols on the diagram relate to written instructions, numerical symbols relate to the parts listing.

Remove the following parts:

1. Remove and discard the original drive belt
2. Turn automatic tensioner **A** fully anti-clockwise using an appropriate spanner and lock using a suitable 4mm locking pin **B** (not supplied) - Fig.1
3. Loosen PAS hose nut **C** and twist hose **D** to position - Fig.2

CAUTION: Do not fully undo PAS hose nut.

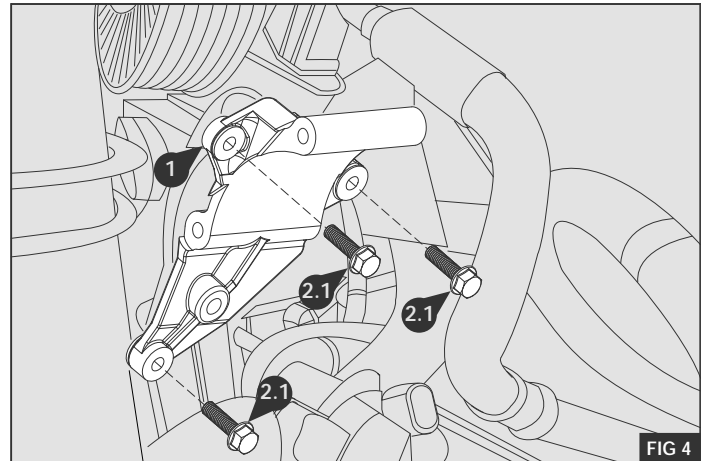
4. Re-tighten nut **C**
5. Remove & discard the foolish pulley assembly **E** - Fig.3



MOUNT BRACKET INSTALLATION

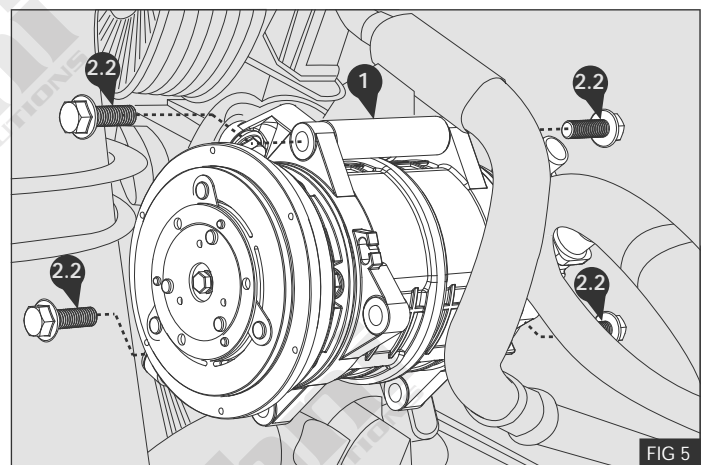
NB: Please refrain from using "Loctite" unless otherwise notified.

1. Fit supplied compressor mount bracket ① to the engine using bolts ②.1 - Fig.4
2. Torque bolts ②.1 to 44Nm / 32lb.ft.



COMPRESSOR INSTALLATION

1. Fit the compressor to the compressor mount bracket ① using bolts ②.2 - Fig.5
2. Torque bolts ②.2 to 84Nm / 62lb.ft.
3. Fit the compressor rotor ③ to the overhang clutch assembly using cap head setscrews ⑥ and spring washers ⑦ - Fig.6



FINISH

1. Fit the supplied drive belt ④ to the vehicle - Fig.7

- A. Power steering
- B. Compressor
- C. Crank pulley
- D. Tensioner
- E. Water pump
- F. Alternator
- G. Idle pulley

1. Run the engine with the Compressor Clutch engaged for five minutes, check all components and fit belt label stickers

